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Datasheet for R95 Casing Pipe

R95 casing pipe is a high-strength steel grade defined under API 5CT, with a controlled yield strength of 95,000–110,000 psi and a minimum tensile strength of 105,000 psi. R95 casing was developed for oil and gas wells requiring higher mechanical strength than N80, while offering a cost-effective alternative to sour-service grades such as T95 when sulfide stress cracking resistance is not required. It is commonly used in medium-to-deep wells, high-pressure formations, and general oilfield casing applications where reliable collapse and burst performance are important.

- Applicable Product: Casing & Tubing.
- Thread Types: BTC / LTC / STC / Premium Connections.
- Available Lengths: R1 / R2 / R3.
- Service Environment: Suitable for high-pressure oil and gas wells; not recommended for severe sour H₂S service.

Chemical Composition

Grade	C	Mn	P max	S max	Si max
R95	API limit not specified	0.45–1.90%	0.03%	0.03%	0.45%

Mechanical Properties

Grade	Yield Strength	Tensile Strength min	Total Elongation Under Load	Hardness Limit
R95	655–758 MPa / 95,000 – 110,000 psi	724 MPa / 105,000 psi	0.5% min	No API hardness limit